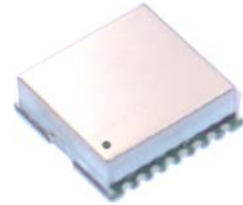


Features

- +3 dBm Output Level at 726.5 MHz
- 2nd Harmonic : < -20 dBc
- Spurious Level : < -75 dBc
- Lock Time : < 10ms
- 80 mA Current Consumption
- Strip-line Resonator

Description

The plerow™ PLL synthesizer module was designed for use in wireless and wireline systems in a wide range of frequency from 50 MHz to 6 GHz. ASB's PLL provides exceptionally low spurious and phase noise performance with fast locking time and low current consumption. All products are available in a surface-mount type package.



Specifications

Parameter	Unit	Min.	Typical	Max.
Frequency Range	MHz		726.5	
Output Power	dBm	+0	+3	+5
Supply Voltage	V	4.75	5.00	
Current Consumption	mA		38	80
Channel Step Size	kHz			
2nd Harmonics	dBc			-20
Spurious Level	dBc			-75
Lock Time	ms			
Reference Frequency	MHz		10	
Reference Input Level	dBm	-5	0	5
Phase Noise (C / N)	@ 100 Hz		-72	
	@ 1 kHz		-85	
	@ 10 kHz		-105	
	@ 100 kHz		-120	
Output Impedance	Ω		50	
Operating Temp. Range	°C	-30	+25	+70
Package Type & Size	mm	SMT, 19.0W×19.0L×5.8H		

1) Measurement conditions are as follows: T = 25°C, V_{CC} = 5.0 V, Freq. = 726.5 MHz, 50 ohm system.

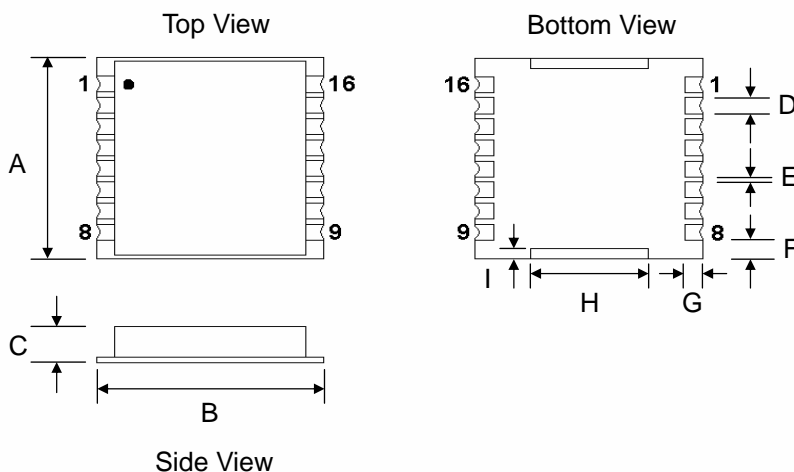
More Information

Website: www.asb.co.kr
E-mail: sales@asb.co.kr

Tel: (82) 42-528-7223
Fax: (82) 42-528-7222

ASB Inc., 4th Fl. Venture Town
Bldg., 367-17 Gojeong-Dong,
Seo-Gu, Daejeon 302-716, Korea

Outline Drawing



Pin Configuration		Dimension (mm)	
1	Ground	A	19.0
2	Ground	B	19.0
3	Ground	C	5.8
4	OSC IN	D	1.5
9	VCC (VCO)	E	0.5
13	RF OUT	F	1.75
15	VCP (PLL)	G	1.35
16	LOCK DETECT	H	15.0
Others	Ground	I	0.9
		Tolerance: ± 0.2	